

# FOLIO

## CARS on the Road to Improved Data Base

The University is in the process of changing to a new computer system for student and course records. The changeover to CARS (Cumulative Academic Record System) began on the weekend of 2 October 1982. CARS is an acronym that is happily appropriate to any perspective: To us who are enthusiastically positive about computer developments it is forward moving and energetic; for the pessimists it can reflect the image of the mechanical malaise of our time.

The development of CARS was and is a joint venture of the Registrar's Office and the Office of Administrative Systems (OAS). The CARS project has had a long history but a short life.

The history really begins over a decade ago when the Registrar and OAS recognized that the old sessional data base (in use until September 1982) was functionally limited. Initial discussions and plans for a cumulative data base were begun in 1970 but economic stringencies and the advent of Advance Registration put the topic on the back shelf, not to be dusted off again until 1976.

### Open House

The Faculties of Medicine, Dentistry, and Rehabilitation Medicine will participate in the University's 75th Anniversary Open House Program this weekend. From 10 a.m. to 5 p.m. Friday, and from noon to 5 p.m. Saturday, the Faculties will be open to all. Prospective students, members of the public at large, and University faculty and staff are urged to attend and gain further insight into the workings of these Faculties. In the case of University personnel, the Open House Program is a fine opportunity to "see what the other guy is doing." □

The major disadvantage of the sessional data base, which remained unchanged in its essential structure for well over a decade, was that it had no provisions for a cumulative file. Students academic records were collected and stored on the computer session by session. When one session was completed the tape was put down and another started. The *cumulative* record, so important for many decisions, for much research, and for many products, for example, transcripts, could only be achieved by laboriously backloading old tapes and selectively transposing information to new files. In fact this process was so cumbersome that the needed cumulative records were most often composed manually.

In the renewed discussions in 1976 the initial plan was to simply convert the data collected on the sessional system to a cumulative file. It was quickly realized, however, that there were other deficiencies in the old system. The most important of these was that it lacked many important data elements which would be essential if the University were to realize the full benefits of computer assistance. The most notable example is that the old data base did not store information about the student's academic history (matriculation, transfer credits, etc.) prior to attendance at The University of Alberta. This made certain advanced uses of the computer impossible, for example program monitoring, computer produced transcripts, computer assisted admissions.

In addition to data deficiencies, the sessional system was inefficient in data collection and storage. Starting again with each new session means that standard and stable information, (name, I.D. number, program, etc.) must be reproduced and redundantly stored. In addition, the lack of easy

access meant that much of the information on the base had to be redundantly collected and stored at various places on campus such as Faculty and department offices.

With these realizations the plans for the new system continued to expand until what was on the table was not just a refurbished sessional system but rather a totally new and much larger data base. For example, the old sessional system had 20 segment and 191 data field—the new cumulative base has 55 segments and 512 data fields.

From 1977 to 1980 the "project" was a "bootstrap" affair dependent on the limited resources (people) that the Registrar and OAS could borrow from their normal functions. Beginning in 1980 funding was provided for an expanded project team. The first, and the major, phase of the project was to cover a three-year period from March 1980 to April 1983. During that period the assignment of the project team was to complete the design of the data base and all of the necessary production programs for loading, editing, updating, and reporting from the new data base that we require for "normal" operations.

While some planning and design changes were required over the life of the project, the basic task will be completed, with some extras, by April 1983. We are now operating on the new system (with a can of "RAID" in each hand). The remaining work between now and next April is on the production and reporting programs that are required in the remainder of our yearly working cycle. The data base is now being made available to administrative offices campus wide and will play an increasing role in their operations as its potentials are "discovered" and developed.

Development will not stop in April '83. The new data base creates the

potential for many new uses of the computer in our course and student record-keeping that will benefit all groups on campus: Students, Faculties, Departments, and Central Administration. The list of attractive enhancements is already several pages long. Just a few examples of the most notable will give some idea of the full scope made possible by the new system.

*Transcript by Computer.* The transcript requires, of course, the full cumulative record for the student. Our current "cumulative" record for these purposes is a hard-copy record card. This record card has to be manually updated after each session. The transcript is a photocopy of the card. With the cumulative record in its own memory the computer will be able (after the development of suitable instructions) to organize the information and print the finished transcript in all its required detail. This will result in not only savings of substantial manpower but also in much quicker service to students.

*Automated Admissions.* Some admissions decisions (those of the threshold variety), while highly significant for both institution and prospective student, are conceptionally quite simple. The computer, provided with the appropriate algorithm, can make these decisions much faster and probably with less boredom than humans. This will produce several benefits. Besides speeding up the admissions process (which is in everyone's interest) it will free more human time to deal with admissions decisions that are beyond the mechanical scope of the computer.

*Program Monitoring.* Each year Faculties will apprise their students about where they stand in their program of studies—how much they have done and how much and what is left to do. This requires assessment of

a paper record for each student using human eyes, hands, and brains. Given the development of an appropriate program (computer) there is no reason why the computer, with the new data base, can't assess the student's program (degree). This will leave the humans free to discuss the philosophical, pragmatic, and

pedagogical value of options.

These and/or many other developments and enhancements made possible by the new system will be the task of CARS project, Phase II.\* □

\* W. A. Blanchard, Registrar, engineered this article for Folio

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## Yeats Eliot Review Returns

William Butler Yeats, 1856-1939, Irish dramatist, poet, and essayist: Nobel Prize 1923.

Thomas Sterns Eliot, 1888-1964, British poet and critic: Nobel Prize 1948.

By their works you may know them. Also by the *Yeats Eliot Review*, a fully refereed journal of criticism and scholarship that is published at this University under the editorship of Shyamal Bagchee.

The *Review*, widely recognized by scholars as "an indispensable adjunct to modernist studies in poetry," attracts contributions from scholars from around the world and is subscribed to by leading academic libraries.

Dr. Bagchee's brainchild was delivered in 1974 as *T.S. Eliot Review*. A graduate student at York University, Dr. Bagchee was filled with visions of a serious journal that would address the central issues of modernism in poetry. The publication

must also reflect the state of scholarship as it is, he determined.

And so to business. The editorial in Vol. 1, No. 1, Spring 1974 stated that "One has only to look at the relative states of Eliot and Yeats studies to realize how little, in the nature of organized reporting of scholarly material, has been done in the former area. With the exception of Donald Gallup's excellent bibliography of primary material, and the recent Martin bibliography of Eliot criticism, scholars have been left pretty much to themselves to find their way through a compounding maze of critical writing on Eliot and a fairly small body of readily available works by him."

It was and is Dr. Bagchee's intention to report on, and invite manuscripts connected with, every area of related scholarship that will be of use to Eliot scholars.

W.B. Yeats was ushered into the *Review* in 1978 and the initial sixteen page effort expanded to the extent that the *Yeats Eliot Review* double issue of 1982 contained 152 pages. This is not to say that the *Review* has had everything its own way. Its 500 copies come out twice a year largely because word of mouth has been rampant and there is no dearth of refereed submissions. The *Review* has never received a Canada Council grant because there is no proof that scholars would suffer if the *Review* went under. "I have never had a cent to promote it," Dr. Bagchee told *Folio* unequivocally. He was aided by a number of people at our University during the period 1976 to 1980 when he taught here on temporary appointment and published several issues of the *Review*. (Dr. Bagchee then moved to the University of Victoria for two years, returning here in time for the opening of classes. He is teaching full-time and working on

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## Assiniboia Terminal Facility Opened

Good news for computing students: a further 105 computer terminals are now officially available for your use.

The basement of Assiniboia Hall was designated to house computer labs when renovation of the building was complete. Its ample size and central location were two strong points in its favor. The preparation of this student facility required the close cooperation of several University departments.

For Computing Services, the planning, design, and organization work was done mainly by Rod Yaehne, head of the Telecommunications section. Mr. Yaehne also designed a new edition of the popular AJ510 terminal which has the programmable memory chip installed on the main board.

The Department of Physical Plant was responsible for the planning and construction of the terminal facility. Al Robertson was in charge of the project. The terminals had to be connected by cable to the computer facility in the General Services Building. The cabling from GSB to Assiniboia was tendered out, while the

cabling in Assiniboia was done by Technical Services, under the supervision of Bill Diachuk.

The main purpose of the terminal rooms is to provide interactive computing for the large number of students in Computing Science courses. Instructors in Computing Science have first priority on booking the rooms; this term, class bookings occupy about ninety percent of the available time during the 8 a.m. to 5 p.m. period. The rooms are most often free for individual use after 5 p.m.

The opening ceremonies on 14 October featured an electronic ribbon cutting by Ron Phillips, Vice-President (Facilities and Services). Dale Bent, Director of Computing Services, commended all the departments involved for their cooperative spirit which helped get the facility ready so quickly.

The four terminal rooms and one public terminal area have a total of 105 AJ510 terminals connected to the University computing system. There are now a total of 236 terminals in public terminal areas on campus. □

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## FOLIO

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the *Review* as time permits.) Ann Davison, English; Dave Holberton, Computing Services; and Ed Grams and Bill Mosier, Printing Services, are among those to whom Dr. Bagchee is grateful.

The *Yeats Eliot Review* will be printed by Printing Services and, although it is definitely not a house organ, will draw heavily on University of Alberta faculty. Contributors will find themselves in the company of an editor who is, in his words, "a bit sticky for quality." Everything that goes in the *Review* is re-written, as even such eminent writers as William Empson, the distinguished British critic and poet, can attest to.

Dr. Bagchee, who holds degrees in English from Delhi, Visvabharati, McMaster, and York Universities, specializes in modern and contemporary literature, literary criticism, and the literature of the Renaissance. He is listed in the Directory of American Literature

Specialists, *American Studies International*, U.S.A., and has published in *Journal of Modern Literature*, *Canadian Book Review Annual*, and *Quill & Quire*, among others. His book length studies of W.B. Yeats and John Fowles are under consideration by American publishers.

The Yeats Eliot Review, then, is back at this University and keeping scholars attuned to the lives and work of two worthies who, in Dr. Bagchee's book, rank as the most important English language poets in the 20th century. Given the scope of their writing—society, religion, education, history, *et al.*—and the fact that papers using recent critical approaches, or dealing with such issues as critical or dramatic theory, modernism, and romanticism are also welcome, the *Yeats Eliot Review* will continue to emit assured banging, never whimpering, noises in the literar world. □

## WISEST Releases Results of Statistical Survey

Preliminary findings of WISEST, a vice-presidential task force struck recently to examine the role of women in science and engineering (see *Folio*, 8 October), appear to indicate that the decision to establish said task force was indeed a wise one. The Women in Scholarship, Engineering and Science Task Force was set up by Gordin Kaplan, Vice-President Research) in response to some leading questions about the acknowledged under-representation of women in the hard sciences and engineering.

Of the four WISEST sub-groups, two have made preliminary statements and two are in the process of reaching out to students and staff at both the high school and the university levels.

Susan Jackel, Lecturer in Canadian Studies, and Fred Morrison, Professor of Family Studies in Home Economics, have been involved in compiling a statistical analysis of distribution of University of Alberta academic staff by sex, rank, and faculty. If, as Dr. Kaplan has suggested, it is a recognized fact that women are noticeable by their scarcity in science and engineering, then why the analysis? "We felt it was very important to know just what we are dealing with at this University at the outset of our study," explains Dr. Jackel. "And we wanted to protect ourselves from any charge that we are going off half-cocked, so to speak, without any basis for our concern."

The statistical analysis would appear to bear out the validity of such concern. As of 15 December 1981 there were 3,259 academic staff employed by The University of Alberta (this includes full-time, part-time, trust, and postdoctoral fellows). Of this total, 77.9 percent were males. More detailed analysis of the data revealed that 81.1 percent of full-time regular staff were males, while the ratio in the full-time temporary category (limited-time, non-tenurable appointments like sessional lecturers) was much closer: 6.7 percent male to 43.3 percent female. "That in itself indicates a significant pattern shift," says Dr. Jackel. "Far more women are hired for the temporary ones than for the tenurable, continuing ones."

And what of rank? Statistics that

are, perhaps, more startling appear. Of the total number of academics holding the highest rank, that of full professor, 93.9 percent are males. Near the other end of the spectrum, however, the ratio is almost exactly opposite: only 6.7 percent of all lecturers are male, while 93.3 percent are female. "We have good reason to believe that this situation is in large part explainable," says Dr. Jackel. "It is unlikely that this is a case of systematic discrimination, and that is important to keep in mind."

Full professors are traditionally older, with higher degrees and longer "track records." And, since the role of the academic has historically been a male one, the statistics will naturally bear this out. "There does appear to be a change underway," Dr. Jackel points out. "The younger the academic, the more even the ratio of males to females seems to be. And this is a reflection of a gradual change in society's perceptions of male/female roles."

If the focus of WISEST is female representation in the hard sciences and engineering, then what of the statistics dealing with distribution by Faculty?

"If we accept as the norm a male/female ratio of 81/19 (as is the case for full-time regular faculty), then we have found that there are seven Faculties that, in statistical jargon, differ grossly from that norm," states Dr. Jackel. "And in almost every case, the Faculties in question are ones that fit the scope of WISEST." The faculties in question are: Agriculture (91.8/8.2); Business (89.7/10.3); Dentistry (89.7/10.3); Engineering (98.1/1.9); Nursing (0/100); Pharmacy (95.7/4.3); and Science (94.9/5.1).

Does WISEST have any theories on the statistics? Not at this point, according to Dr. Jackel. Feeling that their role is to ask questions rather than to answer them, Dr. Jackel and her colleagues intend to pursue a more in-depth analysis of the data they have gathered. "I suppose you could say that we are interested in the limits of our indignation," she explains.

While the survey done by Drs. Jackel and Morrison is by no means an exhaustive one, it is one that mirrors similar studies undertaken

across Canada, with similar results. "We have no fixed answers," concludes Dr. Jackel. "What we need to know now is whether the facts as we have found them really bother anyone? Do people really care? If so, then the next step will be to try and

remedy the situation." (Copies of the Jackel/Morrison report are available by contacting Dr. Jackel, 306 Old Arts, telephone 432-5086. Future issues of *Folio* will feature reports from other WISEST sub-groups.) □

## United Way Door Still Open

Our United Way contributions for 1982 total \$93,690.57 as of 27 October. This amount has come from 572 contributors (350 Academic and 222 Non-Academic staff): 9.5 percent of our total staff.

It is not too late to consider giving to the thirty-nine community agencies who provide problem-solving and educational services. The use of these services touch three out of five families in the Edmonton area, and possibly involve at least 3,600 of us at the University in one way or another.

The United Way can be considered as a cooperative effort of these agencies to raise funds rather than having thirty-nine separate campaigns during the year. In another way, the United Way campaign should help unite the community by bringing all of us together in assisting.

Try a small contribution, or a monthly pledge. We need to show the community that more than 9.5 percent of us care about what happens in Edmonton.

James A. Shaw—Extension  
432-5047

Eileen Dunham—Payroll  
432-3207



"The turn of the century." On 22, and 23 October, Housing and Food Services celebrated the University's 75th Anniversary by laying on family-style dinners of the sort that were popular seven and a half decades ago. Pictured here are Chairman of the Board, John Schlosser (left), and President Myer Horowitz as they make their way around the tables on 22 October offering family members cigars and mints to accompany the after dinner port. The two evenings were a resounding success bringing together members of our family: staff, students and our very valued relatives, the citizens of Edmonton. Photo courtesy The Gateway.

## Eric Geddes Appointed Chairman for 75th Anniversary Appeal



Eric A. Geddes has accepted an invitation to act as chairman of The University of Alberta 75th Anniversary Appeal campaign. The campaign, launched this year in conjunction with the University's Anniversary, runs over a five-year period and Mr. Geddes will be campaign chairman for its duration.

As chairman, Mr. Geddes will head up a volunteer Advisory Council, a team of thirty prominent individuals from the city of Edmonton and across the country.

Mr. Geddes, who served as chairman of the University's Board of

Governors from 1975 to 1978, is the senior partner with Price Waterhouse & Co. in Edmonton. A graduate of this University, Mr. Geddes was also awarded an honorary Doctor of Laws degree in 1980 by his alma mater.

His involvement in community activities is extensive and includes membership on the Board of Trustees of the Alberta Heritage Fund for Medical Research, of which he was appointed chairman in 1980, and on the University Senate's Task Force on University Purpose. In 1979 he received both the Alberta Achievement Award and the City of Edmonton Triennial Board Award. He was named chairman of the Edmonton Chamber of Commerce in 1981 and most recently was appointed chairman of the Business Advisory Council within the Faculty of Business.

The 75th Anniversary Appeal, which has an objective of \$37.5 million (to be matched under the terms of the Province's 1980s Advanced Education Endowment Fund), is directed especially to more than 90,000 alumni in Alberta, across Canada, and around the world, and to parents of students, faculty and staff, national and provincial corporations, charitable foundations, organizations, and special interest groups. □

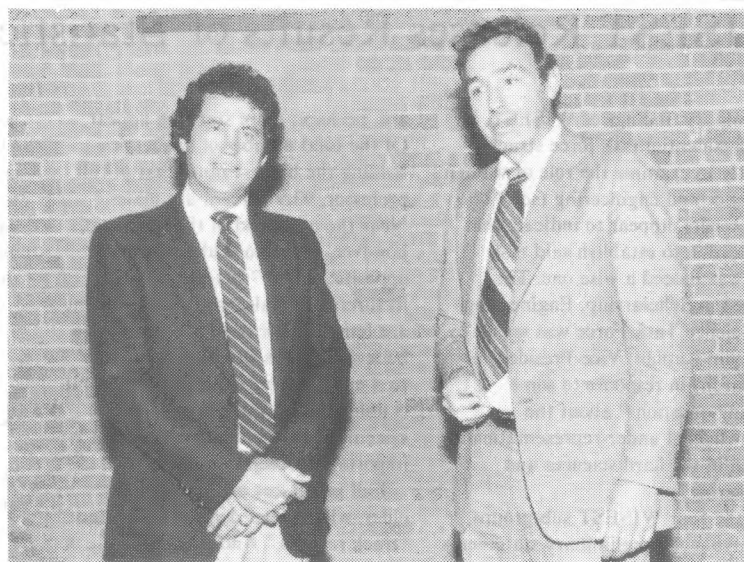
## Photo Services Acquires Microfilming Camera

In a never ending quest to provide better service to University departments, the Technical Services Photographic Department is pleased to announce the acquisition of a Bell & Howell microfilming camera. Some features of this camera are: sharp, clear high speed recording with automated document handling; an automatic feeder that accepts intermixed sizes and weights of documents; an automatic exposure control that compensates for difference in color and texture of documents; the ability to photograph

documents at the rate of over 2,000 per hour.

Double sided documents pose no problem, as the camera can be programmed to meet this need. Documents can be automatically synchro marked (blipped) for batch identification and/or jacket filling and the camera will photograph damaged or fragile documents, or pages of bound books.

There are two ways a department can do microfilming: *Photo Services does the work*. Camera ready documents with all staples removed, in



Students enrolled in the new Master of Public Management (MPM) program offered in the Faculty of Business recently attended the first in a series of informal sessions designed to enable them to have the opportunity to interact with individuals involved in active public management. The guest speaker at the initial session of the MPM Dialogue Series was Peter Meekison, Deputy Minister, Intergovernmental Affairs (right), shown with the Director of the MPM program, Allan Warrack. Dr. Meekison is a noted political scientist on leave from The University of Alberta.

## Data Library Advisory Committee Established

Computing Services Data Library wishes to announce the formation of an inter-departmental committee to assist with the development of the Data Library.

Committee members are: D. Baker (Accounting), E. J. Chambers (Industrial and Legal Relations), G. Clark (Cross Cancer Institute), P. Davidson (Institutional Research and Planning), A. M. Decore (Educational Foundations), R. R. Gilsdorf (Political

Science), M. Hlynka (Statistics and Probability), M. J. Hodgson (Geography), B. Hsu (Finance and Management), C. Humphrey (Computing Services), A. Jenkins (Economics), C. Kinzel (Sociology), J. M. Lamonth (Computing Services), D. Lubell (Anthropology), A. Meyers (Industrial and Vocational Education), C. Montgomerie (Educational Administration), J. Morse (Nursing), R. F. Mulcahy (Educational Psychology), T. M. Nelson (Psychology), L. M. Wankel (Recreation Administration), and K. V. Wilson (Theoretical Psychology).

The Data Library maintains a collection of machine-readable data files originating from research in the social, medical, and physical sciences. In addition, the Data Library also supports computer software helpful in using individual data files, and provides archival services for data files generated by researchers on this campus. □

files or folders, any sizes up to 11 x 14 inches. We pay all materials. Film processing not included. \$40.00 per thousand. *Do it Yourself*. After a short briefing on camera use, anyone can operate it. A charge of \$25 per hour will apply. The user department will be responsible for film costs and processing.

Please call Photo Services, local 4186, for further information. □

## Abuse of One-Way Traffic Lanes Frowned Upon

Operators of motor vehicles are cautioned against driving their vehicles contrary to traffic direction signs. This appears to be coming more prevalent, particularly entering "U" and "N" Zones when some congestion occurs at the kiosk entry. It has also been noted that some operators are entering "G" Zone by travelling contrary to the one-way designation of

the avenue on the north side of Corbett Hall.

University Traffic Regulations provide financial sanctions against offenders and these will be vigorously applied.\* □

\* The preceding information emanated from W. F. G. Perry, Director of Campus Security and Parking Services

## Letters

### Training of Rehabilitation Counsellors

■ This letter is in response to the letter you printed on page 6 of *Folio*, 19 August 1982. In that issue you had an excellent article indicating that

there was a desperate need for universities to train rehabilitation counsellors. In the same article you referred to a report released recently by the Canadian Life and Health Insurance Association recommending increased training facilities be started immediately in at least three Canadian universities.

Readers of the publication will be interested to know that at the present time the Department of Educational Psychology members are cooperating with staff in the Faculty of Rehabilitation Medicine, and a proposal has been prepared to train rehabilitation counsellors at the Master's level. It is anticipated that this proposal will be brought forward to committees within our University during this 1982-83 term. It is our hope at the present time that such a program might be in operation as early as fall, 1983.

Initial signs are certainly encouraging, and the need for such specialists is particularly pronounced in this province. At the time of writing this letter, I am informed that both councils of the Faculty of Education and the Faculty of Rehabilitation Medicine have approved in principle the need for such specialists so we look forward to a positive response from the rest of the University community.

John G. Paterson  
Department of Educational  
Psychology,  
Faculty of Education



### Preliminary Announcement

As part of the 75th Anniversary Celebrations, the Departments of Biochemistry and Genetics are co-sponsoring a lecture by Sydney Brenner on Monday, 22 November 1982, at 4 p.m. in Room 2-115 Education North. His subject will be "Future prospects of the genetics of higher organisms."

Dr. Brenner is one of the leaders in molecular biology and was a pioneer in some of its critical discoveries including the genetic code and the discovery of messenger RNA. He is, at present, Director of the world's leading institute devoted to molecular genetics and biochemistry, the MRC Laboratory of Molecular Biology, Cambridge.

## people

Einer Boberg (Speech Pathology) presented a full-day workshop on clinical procedures in stuttering therapy to the annual fall meeting of the Manitoba Speech and Hearing Association. He also presented a one-week intensive course on Fluency Disorders to students in the School of Communication Disorders at Dalhousie University in Halifax.

Olive P. Dickason (History) was invited to present a paper to the International Reunion of the Conference of Latin Americanist Geographers and the Sección Nacional de Dominicana del Instituto Panamericano de Geografía e Historia, held in Santo Domingo, Republic of Dominicana, 10 to 17 October. Her presentation compared French trading practices in Brazil and Canada during the 16th century.

Kathleen A. Dier (Nursing) was invited to speak on "Nursing Care of the Elderly" at the annual meeting of the Association of Registered Nurses of Newfoundland which was held 4 to 6 October in St. John's.

Alfred Fisher (Music) has been awarded a commission by the Canadian Music Centre for an extended work for voice and piano. The work will be written for and premiered by Harold Wiens, also of the Department of Music.

## New Desks Donated to Faculty of Business

Thanks to the generosity of Superior Steel Desk, the Faculty of Business has acquired eight new desks. The Faculty's MBA students, to whom the desks have been allocated, are particularly grateful for this gift, as until now, they have been forced, by and large, to work on the floor of their study hall in the Athabasca Hall Annex.

Official presentation to the Faculty of the eight desks from Superior Steel Desk took place recently during a luncheon at the Faculty Club attended by Dean Roger Smith and representatives of the company. □

## service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

### Coming Events

#### Music

##### Edmonton Gregorian Chant Choir

The choir meets every Monday evening, 7 to 8:30 p.m., 3-01 Rutherford Library South. No experience necessary. For more information, call St. Joseph's College, 433-1569.

#### Department of Music

4 November, 5 p.m. Art Song Interpretation. Performers are students from the class of Professor A. Munn. Convocation Hall, Old Arts Building.

5 November, 8-15 p.m. Western Board of Music Awards Recital. Convocation Hall.

6 November, 8 p.m. Piano recital by May-Ling Qwok, performing works by Bach, Beethoven, Chopin, and Schumann. The recital is in aid of the Angela Cheng Musical Foundation, and tax-deductible donations will be accepted at the door in lieu of admission charges. Convocation Hall.

8 November, 8 p.m. Stravinsky/Haydn Program featuring the St. Cecilia Orchestra, Malcolm Forsyth, conductor; and The University of Alberta Concert Choir, Leonard Ratzlaff, conductor. Convocation Hall.

13 November, 2 p.m. Opera scenes performed by students of the Department of Music. A. Strombergs, conductor, and M. Moats, director. Performance in English. Convocation Hall.

14 November, 3 p.m. The Edmonton Youth Orchestra. Michael Massey, conductor. Convocation Hall.

15 November, 8 p.m. A faculty recital by David Otto on the tuba. Convocation Hall.

16 November, 8 p.m. A non-compulsory student recital by John Newman on the clarinet. Convocation Hall.

#### 75th Anniversary Events

Until 30 November. The Stravinsky Display. Materials illustrating the genius of the Russian composer, Igor Stravinsky. Rutherford Galleria.

Until 21 November. Percy Erskine Nobbs Exhibition. Ring House Gallery.

4 to 6 November. Faculty Open Houses. Rehabilitation Medicine, Dentistry, and Medicine. For further information, call 432-2325.

12 to 13 November. Celebrations: Poets-in-Residence at the University. Gary Geddes, Tom Wayman, Phyllis Webb, and Pat Lane. Humanities Centre. For further information, call 432-5086.

#### Bruce Peel Special Collections Room

Until 5 January, 1983. "A Gallimaufry of 18th century books" (in honor of the Canadian Society for Eighteenth Century Studies). B-37 Cameron Library.



## Lectures and Seminars Department of Forest Science

4 November, 4 p.m. Pedar Braathe, Norwegian Forest Research Institute, Norway, will speak on "Stocking Control and Its Effect on Yield." 344 Chemical-Mineral Engineering Building.

## Department of Zoology

5 November, 3:30 p.m. Charles R. Goldman, Division of Environmental Studies, University of California, Davis, will speak on "Dealing with global pollution." 345 Earth Sciences Building.

## Department of Geography

5 November, 3 p.m. Kenneth A. Hammond, Central Washington University, will present a colloquium entitled, "The effect of mud flows and dredging on land use in the lower Colitz river valley following the Mount St. Helen's eruption." 3-36 Tory Building.

## Department of History

5 November, 3:05 p.m. John Eagle will present a lecture entitled "Baron Thomas Shaughnessy, The Peer that Made Milwaukee Famous." 2-28 H.M. Tory Building.

5 November, 12:15 p.m. D. Berghofer, Associate Deputy Minister, Alberta Advanced Education and Manpower, will speak on "An Historical Perspective on Universities and Society." Music Room, Edmonton Public Library.

## Department of Mathematics

8 and 9 November, 2 p.m. Hans Zassenhaus, Distinguished Visitor to the Department of Mathematics, will give two historical lectures. On 8 November, he will discuss "On the pursuit of mathematics research in Germany between the two world wars." On 10 November, Mr. Zassenhaus will speak on "Emmy Noether (1882-1935): her life and work." 657 C.A.B.

## Department of Slavic and East European Studies

9 November, 3:30 p.m. B. Harasymiw, University of Calgary, will give a seminar entitled "Does the Soviet Communist party official have a role to play in post-industrial society?" 311 Athabasca Hall.

## Department of Botany

10 November, 3:30 p.m. James Fyles, Department of Botany, will present a seminar entitled "Vegetation and soil development on reclaimed coal mine lands at high elevation in southeastern British Columbia." M-137 Biological Sciences Building.

17 November, 3:30 p.m. S.H. Barrett, University of Toronto, will speak on "Evolution and ecology at plant reproductive systems." M-137 Biological Sciences Building.

## Department of Anatomy

10 November, 4 p.m. R.I. Sommerville, Reader in Zoology, University of Adelaide, will present a seminar entitled "Nematodes as parasites: The physiology of infection." Dr. Sommerville is well known for his research on trigger mechanisms for development of parasitic nematodes. His visit is sponsored by the Alberta Heritage Foundation for Medical Research. 6-28 Medical Sciences Building.

## Faculty of Business

10 November, 3 p.m. Distinguished Visitor, Robert Ballon, Professor of Economics and International Business, Sophia University, Tokyo, will speak on "Management Styles: Business Decision-Making in Japan." 457 Central Academic Building.

## Department of Classics

18 November, 3:30 p.m. Gus Hermansen, Professor Emeritus, will speak on "Archaic Italo-Etruscan Religion and Minoan Roots." 1-8 Humanities Centre.

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## Sports Basketball

5 to 7 November. Panda Early Season Tournament. Friday—7 and 9 p.m. Saturday—11 a.m., 1, 7, and 9 p.m. Sunday—noon, 2 and 4 p.m. Varsity Gym.

7 November, 7:30 p.m. Golden Bears vs. Mt. Royal College. Varsity Gym.

9 November, 7:30 p.m. Golden Bears vs. Rocky Mountain College. Varsity Gym.

## Matters of Faith

Lutheran Campus Ministry Worship each Sunday at 10:30 a.m. in the Newman Centre, the west basement of St. Joseph's College. All are welcome.

9 November, 8 a.m. Faculty are invited to a continental breakfast, sponsored by the University of Alberta chaplains. Meditation Room, 158 SUB.

## SUB Theatre Films

4 November, 8 p.m. "Prince Of The City" (1981).

5 November, 8 p.m. "American Gigolo" (1980).

7 November, 8 p.m. "Quest For Fire" (1982).

8 and 9 November, 8 p.m. "Apocalypse Now" (1979).

## Music

6 November, 7:30 and 10 p.m. The Edmonton Jazz Society presents Randy Newman, a solo performance. Tickets available at all BASS outlets.

10 November, 8 p.m. The Edmonton Chamber Music Society presents—Gerard Souzay, Baritone, performing Schubert's Die Winterreise (Op. 89, D911). Tickets by subscription for the concert series available from SUB Box office, Canadiana Gifts, Canadiana Galleries, or at the door.

13 November, 8:30 a.m. The National Association for Photographic Art will hold a workshop on how to take Nature Photographs. Photographer Greeman Patterson will give a slide tape presentation on "The Photography of Natural Things." To pre-register, get in touch with Drew Jeffries at 10525 - Jasper Avenue.

15 November, 7:30 p.m. The Canadian-USSR Friendship Society presents the Russian musical group VJANOK. Tickets at the door or from the society. For more information, call Ed Jason at 459-8275 or the Ukrainian Center at 424-2037.

16 and 17 November, 8 p.m. The Alberta Chinese Cultural Society presents Music and Dance of the Silk Route from the People's Republic of China. Tickets available at all BASS outlets.

## Non-Credit Courses Faculty of Extension

Applied Behavioral Sciences Division  
For further information on the courses listed below, phone 432-5069.

### Managing Time at Work—Section A

Date: 5 November. Time: 9 a.m. to 4:30 p.m. Fee: \$50. Instructor: Dr. Tariq Bhatti. Limit: 25.

### Understanding The Family As A System

Dates: 7 p.m., 5 November to noon, 7 November. Fee: \$80. Instructors: Dr. Don Sawatzky, Beverly Edwards-Cragg. Limit: 24.

### Personal Evolution: Continual Personal Change

Dates: 6 and 7 November. Time: 9 a.m. to 4 p.m. Fee: \$45. Instructor: Dr. Lloyd Flaro. Limit: 30.

### Advanced Couples Workshops

Dates: 7 p.m., 12 November, to 4:30 p.m., 14 November. Fee: \$200/couple. Instructor: Joyce Irvine. Limit: 10 couples.

### Understanding and Facilitating Self Concept

Dates: 13 and 14 November. Time: 9 a.m. to 4 p.m. Fee: \$45. Instructor: Lloyd Flaro.

### Stress Management for Professionals

Dates: 15 and 16 November. Time: 9 a.m. to 4:30 p.m. Fee: \$70. Instructor: Don Melynychuk.

### Business, Industrial and Professional Division

### The Art of Negotiating ... With Anyone

Dates: 8 and 9 November. Time: 9 a.m. to 4:30 p.m. Fee: \$250. For further information, call 432-5067.

### Effective Communication and Work Direction

Date: 16 November. Time: 9 a.m. to 4:30 p.m. Fee: \$125. For further information, please call 432-5067.

### Confronting Conflict

Date: 17 November. Time: 9 a.m. to 4:30 p.m. Fee: \$125. For further information, please call 432-5066.

### Management Introduction to Word Processing and Word Processing Feasibility Studies

Dates: 25 and 26 November. Time: 9 a.m. to 4:30 p.m. Fee: \$165. For further information, please call 432-5067.

### Is Japanese Style Management Anything New?

Dates: 29 and 30 November. Time: 9 a.m. to 4:30 p.m. Fee: \$195. For further information, call 432-5067.

### Employee Discipline and Complaint Handling

Dates: 2 and 3 December. Time: 9 a.m. to 4:30 p.m. Fee: \$165. For further information, call 432-5067.

### Choices and Changes: You and Your Job (Women's Program)

Dates: 6 Tuesdays commencing 9 November. Time: 6:30 to 9:30 p.m. Fee: \$40. Instructor: Ardelle Dudley. For more information, call 432-3093.

### Real Estate Division

#### Apartment Rental Techniques

Date: 4 December. Time: 9 a.m. to 2 p.m. Fee: \$55. For more information, call 432-5060.

#### Proper Land Titles Search Procedures

Date: 13 November. Time: 9 a.m. to 2 p.m. Fee: \$55. For more information call 432-5060.

#### Should I Buy This House?

Dates: 4 Wednesdays commencing 17 November. Time: 7 to 9:30 p.m. Fee: \$30/person or \$40/couple. For more information, call 432-5060.

#### Property Exchange Marketing

Date: 19 November. Time: 9 a.m. to 5 p.m. Fee: \$95. For more information, call 432-5060.

#### Occupancy Cost Control in Leasing Commercial Real Estate

Date: 20 November. Time: 9 a.m. to 2 p.m. Fee: \$55. For more information, call 432-5060.

#### Managing Real Estate Accounts

Date: 23 November. Time: 9 a.m. to 5 p.m. Fee: \$95. For more information, call 432-5060.

### Sales and Acquisition—How to Avoid Making Costly Errors

Date: 2 December. Time: 9 a.m. to 4:30 p.m. Fee: \$95. For more information, call 432-5060.

### Real Estate Syndication Update

Date: 14 December. Time: 9 a.m. to 4:30 p.m. Fee: \$95. For more information, call 432-5060.

## Computing Services

### Client Training Sessions

Computing Services is taking registrations between 8:30 a.m. and noon for the following non-credit courses. For further information, please telephone Information Services at 432-2463, or come to 352 General Services Building.

#### Introduction to Text Formatting

Course number: 836. Dates: 13, 15, 17, 20, 22, 23 November. Time: noon to 2 p.m. Fee: \$25. Prerequisites: "MTS and Editor Fundamentals", "MTS Overview", and a good working knowledge of the File Editor. Place: 315/351 GSB.

#### Introduction to Computing at the U of A

Course number: 773. Date: 8 November. Time: 2 to 4 p.m. Fee: \$10. Prerequisites: No previous computing experience, but familiarity with a keyboard is required. Place: DECwriter Terminal Room, 351 GSB.

#### MTS Overview

Course number: 824. Date: 9 and 12 November. Time: 10 a.m. to noon. Fee: \$15. Prerequisites: "MTS and Editor Fundamentals." Place: 315/327 GSB or 315/357 GSB.

#### Introduction to Minitab

Course number: 961. Date: 10 November. Time: 1 to 4 p.m. Fee: \$5. Prerequisites: "Data Preparation for Statistical Packages" is recommended. "Introduction to Computing" or a good working knowledge of MTS is required. Place: 315/351 GSB.

#### MTS and Editor Fundamentals

Course number: 794. Date: 10 and 12 November. Time: 11 a.m. to 1 p.m. Fee: \$15. Prerequisites: "Introduction to Computing" or equivalent working knowledge of a DECwriter terminal and the MTS system. Place: 361 GSB.

## Surplus Equipment

The equipment appearing in this column is available only to University Departments with University Administered Funds. For further information about the purchase of equipment or the disposal of any of your department's surplus equipment, contact Bonnie O'Dwyer or Roy Bennett, telephone 432-3208.

Wanted: One Liquid Scintillation Counter. It should be in good working order, capable of measuring bioluminescence. For further information, please contact: Janis, 432-6385.

Wanted: Horizontal laminar flow sterile air cabinet. Will not be used for pathogenic material. Telephone W. R. Kaufman, Department of Zoology, 432-4403.

## Notices

### Advisory Selection Committee for the Dean of Graduate Studies and Research

The GFC Nominating Committee is seeking nominations to fill vacancies for three faculty members, who are also members of General Faculties Council, to serve on the above Selection Committee. Would those persons interested in serving on this Selection Committee or who have

suggestions for nominees, please contact the Secretary of the Nominating Committee, Mrs. P. Plaskitt, 2-1 University Hall (432-4715). It would be helpful if a brief vita of approximately four or five lines could accompany any nomination

## Positions Vacant

*The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents*

### Dean of Business

The Advisory Selection Committee invites suggestions of possible candidates for the position of Dean. Written nominations should reach the Vice-President (Academic) by 15 November 1982.

### Non-Academic Positions

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. As positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 29 October 1982. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in P.S.S.R.*

Student Record Processing Clerk (\$1,232-\$1,487) Nursing  
Clerk Steno III (\$1,232-\$1,487) Nursing  
Secretary (\$1,373-\$1,682) Professional  
Examinations Office  
Secretary (Part-Time Term) (\$686.50-\$841)  
Computing Services  
Medical Steno (Term) (\$1,373-\$1,682) Surgery  
Programmable Typewriter Operator III (\$1,373-\$1,682) Faculty of Extension  
Administrative Clerk (\$1,373-\$1,682) Physical Plant (Vehicle Pool)  
Graphics Technician II (Part-Time Term) (\$646-\$797) Community Relations  
Computer Assistant I (\$1,106-\$1,324) Computing Services  
Food Service Worker III (\$1,324-\$1,616) Housing and Food Services  
Storeman II (\$1,324-\$1,616) Art and Design  
Technician I (Trust) (\$1,426-\$1,754) Medicine  
Building Service Worker IV (\$1,487-\$1,829) Physical Plant (Building Services)  
Biology Technologist I (\$1,616-\$1,992) Genetics  
Dental Hygienist (Recurring Term) (\$1,682-\$2,078) University Health Service  
Applications Analyst (\$1,745-\$2,171) Physical Plant (Energy Management)  
Programmer/Analyst III (Trust) (\$2,472-\$3,085) Computing Science  
Programmer/Analyst III (\$2,472-\$3,085) Computing Science  
Instrument Mechanic (\$2,733) Physical Plant (Utilities-Mechanical)

For vacant Library positions, please contact Library Personnel Office, 5th Floor Cameron Library (432-3339).

## Advertisements

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for*

*subsequent insertions. There are no refunds. There is a maximum limit of thirty words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone*

### Accommodations available

Saleable--Claridge House, 11027 87 Ave.  
Condominium apartment, two bedroom, two underground parking, laundry, south balcony. Will carry \$50,000 at 12% for 10 years. Maxine Tipper, Langley 436-3050 (pager), res. 435-7103.  
Saleable--Bungalow facing park. Southgate location. Bus to University. Finished basement, double garage. Creative financing. Asking \$94,500. Maxine Tipper, Langley 436-3050 (pager), res. 435-7103.  
For sale--Parkdale, (close to University) \$78,900. Three bedroom, semi, beautiful hardwood floors. Call DeAnna Larson 481-0936 Spencer Real Estate.  
For sale--S x S, duplex. Excellent condition, quiet treed area. Choice! Call DeAnna Larson 481-0936 Spencer Real Estate.  
For rent--Three bedroom, furnished house. Walking distance University. Available 5 Dec 1982 - 30 May 1983. 439-5343.  
For sale--Charming, renovated semi. Spacious kitchen, bay window (south), fireplace. Close to University, will sell quickly! Call DeAnna Larson 481-0936, Spencer Real Estate.  
For sale--1,700', two storey, cedar, brick. Crescent. Three bedrooms, 2 1/2 bathrooms, 15' ceiling (L.R.), two fireplaces, attached garage, solarium, many extras, beautifully landscaped, pie lot. Woodvale \$142,900. 462-9773 after 4 p.m.  
For rent--Three bedroom, semi-bungalow. Walking distance University. Quiet street. 1 Jan - 1 July. 438-0222.  
Renting--\$850 month, furnished house, 1,500 sq ft., three bedrooms, 1 1/2 bathrooms, large living rooms, fireplace, partial basement, garage, two blocks Gold Bar Shopping, schools, playground, tennis, skating, swimming. Call 466-1720.  
For sale--Walking distance University. Sunny bungalow, basement suite, housekeeping room. Solid family residence, revenue or re-development property. \$87,500. Phone Reima Proudfoot, Royal Trust 435-4869, 436-2556.  
For rent--Superior, Windsor Park, three bedroom bungalow. Available 1 Dec. \$1,000/month. 433-9289.  
Saleable--Well designed, two bedroom condominium. Six appliances, walk to University, 11 1/2% mortgage until April 1985. Call Marjorie Anderson 432-2423 daytime, 439-9646 evenings.  
For rent--East of Mill Creek Ravine. Four bedroom duplex, two levels, two bathrooms, carpeted, unfurnished, garage, fridge, stove, 1,700 sq ft. 9525 87 Ave. \$585/month. Nov 1982. 465-6055.

### Accommodations wanted

Visiting professor and family require fully furnished, three bedroom house or apartment from 1 January to 30 April 1983. Call Dr. R. A. Silverman, Dept. Sociology 432-5234 during office hours.

### Automobiles and others

Was your vehicle damaged by snow falling off a U of A building? Call 439-3531.

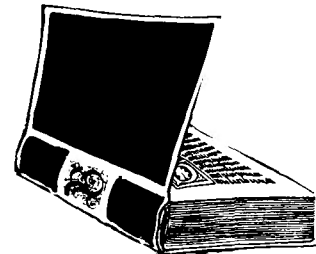
### Goods for sale

1979 5500 Blizzard \$1,900. 1977 440 Everest \$1,400. Excellent condition. 453-1018.

### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A-105 St. 432-1419.  
Singing teacher, Eileen Turner 439-4661.  
General Carpentry Work--Renovations. 434-9709 evenings.  
Relief for backache, stress, tension. The Krieg Clinic provides specialized medical massage and chirogymnastic. Fully qualified and German trained. Maria Krieg C.P.H.T. 436-8059, 11627-75 Ave. Gift certificates available.  
Massage by licensed masseur. 425-0527.  
Windsor Park Co-operative Playschool has vacancies, weekday mornings. 425-9603, 433-8141.  
Professional typing--Quality work. Call Karen 458-5503.  
Enjoy a "rice table." Excellent Indonesian cuisine. Restaurant Indonesia 10169-112 Street. Inquiries and reservations 421-4291.  
Himalyan trek in Sikkim with Everest conqueror, Tenzing Norgay, 29 March-23 April 1983. For information call 466-2442.  
Babysitter required for 14-month girl, 8 a.m.-noon weekdays, 101 St. 85 Ave. 433-1360 after noon.

## OLD, RARE & OUT-OF-PRINT BOOKS



## BJARNE'S BOOKS

10005 - 82 Ave.

439-7133

## Circle this Date:

**Nov. 18**

## Faculty Club - 4:30 p.m.

Come and meet **John Williams**,  
Manager of the Edmonton Branch  
of Teachers' Co-op.

Teachers' Co-op has been serving the University of Alberta faculty for many years, and John would like to let you know about the financial opportunities that are available to you. Refreshments will be served. Please join us.

**TEACHERS' INVESTMENT AND HOUSING CO-OPERATIVE**

11010-142nd St., Edmonton, Alta T5N 2R1 Tel: **453-3902**

*Office of the President*

*Deadline dates:*

# Endowment Fund for the Future

***University/Community  
Special Projects***

15 January  
15 April  
15 September

***Distinguished Visitors***

1 April  
15 September  
1 December

***McCalla Research Professorships\****

Small Faculties: 1 December (for 1 September)  
Large Faculties: 1 May (for 1 September)

***Support for the Advancement of  
Scholarship—Small Faculties***

6 March  
29 May  
11 September  
Large Faculties\*

***Fund for Support of  
International Development***

Deadlines yet to be established. Further  
information available from Dr. A. E. Zelmer.

***Agriculture and Forestry***

Departments in this Faculty should consult the  
Dean's office.

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For details on each of these categories, see information sent to Deans on 10 June, 1982.

\* Departments in large Faculties are reminded that  
application should be first through their Deans, whose  
deadlines will be earlier than those noted above.

In the case of S.A.S. only Faculty deadlines apply.  
Small Faculties make application through the appropriate  
President's Standing Committee:

—McCalla Research Professorships—Small Faculties  
Committee (Chairman: Dr. A. E. Zelmer)

—Support for the Advancement of Scholarship—Small  
Faculties Committee: (Chairman: Prof.  
R. R. Faryon)

—University/Community Special Projects Fund  
Advisory Committee: (Chairman: Dr. A. E. Zelmer)

**Keep for reference**